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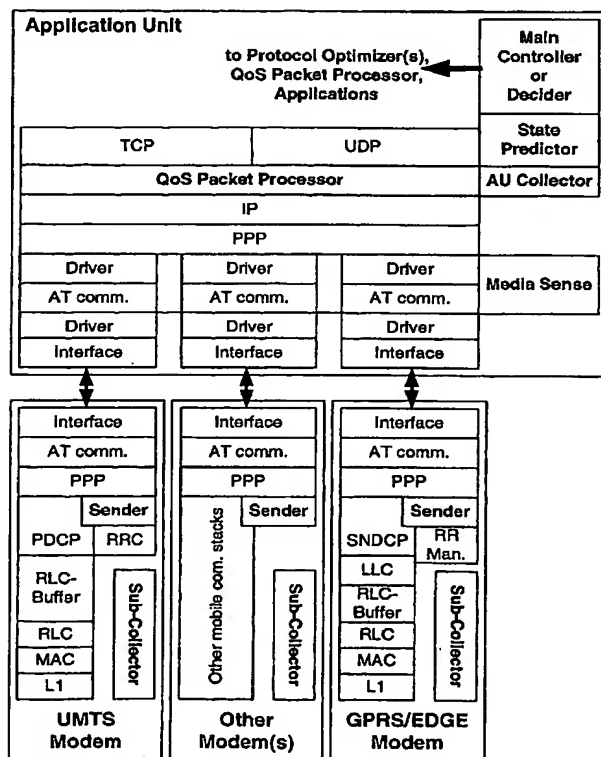(74) Agent: KÖLLNER & PARTNER; Kennedyallee 109, 60596 Frankfurt (DE).

(54) Title: DISTRIBUTED QUALITY-OF-SERVICE MANAGEMENT SYSTEM

(57) Abstract: An application unit and a modem unit for mobile communication are provided. The application unit comprises at least one application that exchanges data traffic with at least one protocol stack, wherein said at least one protocol stack transfers data between at least one of the applications and at least one physical interface. The modem unit comprises a broadcast facility for setting up a wireless connection, and at least one transmission protocol stack for transferring data traffic between the at least one physical interface and the broadcast facility. The modem unit collects flow control information about the status of the wireless connection. The flow control information are packed into an IP packet which is sent via the physical interface to the application unit. The application unit uses the received flow control information to optimize the quality of service.

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